Applicant(s)/Patent under Reexamination Application/Control No. Index of Claims 10/675,342 HONG ET AL. Examiner Art Unit 3746 Michael Koczo, Jr. (Through numeral) Cancelled Rejected Non-Elected Appeal Ν 0 Restricted Interference Objected **Allowed** 

| Cla             | aim        | Γ                 | Date           |          |  |  |                 |               |          | Claim    |          |          |          | Date     |           |               |         |         |         |                 |          | Cla   | Date     |          |                 |           |           |          |           |          |           |          |          |
|-----------------|------------|-------------------|----------------|----------|--|--|-----------------|---------------|----------|----------|----------|----------|----------|----------|-----------|---------------|---------|---------|---------|-----------------|----------|-------|----------|----------|-----------------|-----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                 |            | 1                 | $\overline{A}$ | Τ        |  | Π  | Π               |               |          |          |          |          |          |          |           | $\neg$        |         |         |         |                 |          |       |          |          |                 | $\neg$    |           |          |           |          |           |          |          |
| ल               | Original   | 包                 | 9              |          |  |  | i               |               | H        |          | ::  -    | त्त्र ।  | Original |          |           |               | ı       |         |         |                 |          |       | त्त      | Original | l               | -         |           |          |           |          |           | ĺ        |          |
| Final           | <u>;</u> Ē | b                 |                |          |  |  | l               |               | H        |          | il ,     | E E      | į        |          |           |               |         | 1       |         |                 |          |       | Final    | įģ       |                 | ı         | -         |          |           |          |           |          |          |
| ۳.              | ō          | p                 | 1              |          |  |  |                 |               |          |          | il ,     | ~        | ō        |          | - 1       |               |         |         | 1       |                 |          |       | -        | õ        |                 | - 1       |           |          |           |          |           |          |          |
| <u> </u>        | 10         |                   | +              | +-       | ╄  | ┼  | _               |               | $\vdash$ | -        | -        | -        |          | -        | +         | $\dashv$      | -       | +       | +-      | -               |          |       | -        | 101      | $\vdash$        |           |           | $\vdash$ | $\dashv$  |          |           | $\dashv$ | _        |
|                 | 0          | -                 | _              | +-       | ╄  |  | <b>├</b>        | _             | $\vdash$ |          | <u> </u> |          | 51       | -        | $\dashv$  |               | -       | _       | -       | $\vdash$        |          |       |          | 101      | Ш               | -         | _         |          |           |          |           | _        |          |
|                 | 2          | Ц                 | 1_             | 上        | 丄  | L  | _               | $oxed{oxed}$  |          | _        | <u>_</u> |          | 52       | _        | $\perp$   | $\perp$       | ᆚ.      | ┵       |         | 1               |          |       |          | 102      |                 | _         |           |          |           |          |           | Ш        |          |
|                 | 3          | Ш                 |                |          |  |  |                 |               |          |          |          |          | 53       |          |           | _1.           |         | $\perp$ |         |                 |          |       |          | 103      |                 |           |           |          |           |          |           |          |          |
|                 | 4          | П                 |                |          | l  |  |                 |               |          |          |          | - 1      | 54       |          |           | - 1           |         |         | 1       |                 |          |       |          | 104      |                 | $\neg$    |           |          |           |          |           |          | _        |
|                 | 5          | П                 | Т              | $\Box$   | Г  | Π  |                 |               |          | 7        |          |          | 55       |          | Ţ         | $\neg \top$   | Т       | П       | Т       | П               |          |       |          | 105      | П               | $\neg$    |           |          | $\neg$    |          |           | $\neg$   | _        |
|                 | 6          | П                 | T              | 1        |  | $\vdash$   |                 | П             |          |          |          |          | 56       |          |           |               | 7       |         | 十一      |                 |          |       |          | 106      | П               | 一         |           | $\neg$   | $\neg$    |          |           | $\neg$   |          |
|                 | 7          | Н                 | +              | $\vdash$ | ┰  | <del>_</del>                                     |                 |               | $\vdash$ | -        | -        |          | 57       |          | $\exists$ | $\neg$        | ┰       | _       | +       |                 |          |       |          | 107      |                 | _         | _         |          | $\dashv$  |          | _         | 一        | _        |
|                 | 8          | Н                 | ╁              | +        | $\vdash$   | ╁  | $\vdash$        | Н             | $\dashv$ |          | -        |          | 58       | -+       | +         | -             | +       |         | ╁       | 1 1             | -        |       |          | 108      | ┝─┤             | $\dashv$  | ┪         | -        | $\dashv$  |          | -         | $\dashv$ | _        |
|                 | ğ          | Н                 | ╁              | +        | ╁╾   | ┼  | ╁               |               | $\dashv$ | -        | -        | $\dashv$ | 59       | $\dashv$ | ╅         |               | ╁       | +       | ╅╴      | $\vdash$        |          |       |          | 109      | H               | -         | $\dashv$  | $\dashv$ | $\dashv$  | _        | -         | ⇥        | _        |
|                 |            | Н                 | +              | ╆        | ⊬  | ₩  | -               | <del>  </del> | -        |          | -        |          |          |          | +         | +             | +       | +       | +-      | ₩               |          |       |          |          | $\vdash$        |           | -         | -        |           | _        |           | 1        |          |
| <u> </u>        | 10         | H                 | +-             | ┼        | ₩  | ├-   | $\vdash$        | Н             | $\dashv$ | -        | $\vdash$ |          | 60       | +        | -         | - -           |         |         |         | ⊢               | _        |       |          | 110      | $\vdash \vdash$ |           | _         | _        | _         | ш        | _         |          |          |
| $\vdash$        | 11         |                   | +              | ₩        | ₩  | $\vdash$   | <u> </u>        | $\vdash$      | $\vdash$ | :::      | $\vdash$ |          | 61       | 4        | 4         | -             | 4       |         |         | $\vdash$        | _        |       |          | 111      | Щ               | _         |           |          |           | Ш        | _         | _        |          |
|                 | 12         | Щ                 | 1              | 1        | _  | <u> </u>   | _               | Ш             |          | _        | <u>_</u> |          | 62       | 4        | $\perp$   | $\perp$       |         |         |         | $\perp$         |          |       |          | 112      | Ш               | _         |           |          |           |          |           |          |          |
|                 | 13         | 1                 | $\perp$        |          |  | <u> </u>   | L_              | Ш             |          |          | L        |          | 63       |          |           |               |         | $\perp$ | $\perp$ | Ш               |          |       |          | 113      |                 |           | [         | ╛        |           |          |           |          |          |
|                 | 14         | Ш                 | $\perp$        |          | L  | L  |                 |               |          |          | L        | [        | 64       | $\Box$   | $\prod$   | $_{ m I}$     |         |         |         |                 |          |       |          | 114      |                 | _T        | T         | T        |           |          |           | T        |          |
|                 | 15         | Π                 | Τ              |          |  |  |                 |               | $\Box$   |          |          | $\Box$   | 65       | T        | T         | T             | T       | T       | T       |                 |          |       |          | 115      |                 | $\sqcap$  |           | $\neg$   | $\Box$    |          |           | $\neg$   |          |
|                 | 16         | Т                 | T              | Т        | Π  | Г  | П               |               | $\Box$   | 7        |          |          | 66       | $\neg$   | $\top$    |               | $\neg$  | T       | 1       |                 |          |       |          | 116      |                 | 7         | $\exists$ | T        | ᅥ         |          | $\dashv$  | $\dashv$ |          |
|                 | 17         | T                 | T              | T        |  |  | П               | П             | $\neg$   | 7        |          | _        | 67       | 1        | 十         | +             | 十       | 7       | +       | $\vdash$        | $\dashv$ | iii t |          | 117      | $\Box$          | 寸         | 一         | 一        | _         |          | +         | 一        | $\neg$   |
|                 | 13         | $\dagger \dagger$ | $^{+}$         | +        |  |  | $\vdash$        | -             | 十        | $\dashv$ | -        |          | 68       | $\dashv$ | $\dashv$  | +             | +       | +       | +       | 1 1             | $\dashv$ |       |          | 118      | $\vdash$        | $\dashv$  | -         |          | $\dashv$  | -        | -         | -+       | $\dashv$ |
|                 | 19         | Н                 | ╁╌             | ╫        | -  | ├  | Н               | ┨             | $\dashv$ |          | -        |          | 69       | $\dashv$ | ┰         |               | +       | +-      | +       | $\vdash$        | -1       | ⊪ŀ    |          | 110      | $\rightarrow$   | -         | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | -+        | $\dashv$ |          |
|                 |            | H                 | ╁              | ╁        |  | ├  | Н               | $\vdash$      | $\dashv$ |          | -        |          |          | +        | +         | +             | +       | +       | +       | $\vdash$        |          |       |          | 119      |                 | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  | -        | -+        | -+       | _        |
|                 | 20         | H                 | -              | -        | ├  | <del> </del> —                                   | Ш               | $\vdash$      | -        |          | -        |          | 70       | $\dashv$ | +         | -             | -       |         | ┼       | $\sqcup$        |          |       |          | 120      |                 | _         | _         |          |           | _        | _         | _        | _        |
|                 | 21         | Ц                 | ļ.,            | _        | L  | _  | Ш               | Ш             | _        |          | _        | $\perp$  | 71       | _        | 4         | _             | 4       | 4       | $\bot$  | Ш               | _        |       |          | 121      | _               | _         | $\dashv$  |          | _         | _        | _         | _        |          |
|                 | 22         | Ц                 | <u> </u>       | _        | L  |  | Ш               | L             |          | _        | L        |          | 72       |          |           |               | $\perp$ |         |         | Ш               |          |       |          | 122      | $\perp$         |           | $\dashv$  |          | _         |          |           | $\perp$  |          |
|                 | 23         | Ц                 |                |          | L  |  |                 |               |          | :::      |          |          | 73       |          | ┙         |               | ┸       |         |         |                 | ]        |       |          | 123      |                 |           | $\perp$   |          |           |          |           |          |          |
|                 | <b>Q4</b>  |                   |                |          |  |  |                 |               |          |          |          | - 1      | 74       |          |           |               |         |         |         | 1               |          |       | - 1      | 124      |                 |           | I         |          |           |          |           | T        |          |
|                 | 25         | Π                 |                |          | Π  |  |                 |               |          | 7        |          |          | 75       |          |           |               | Т       | Т       |         |                 |          |       |          | 125      |                 |           | $\neg$    |          | П         |          |           | $\neg$   |          |
|                 | 26         | П                 | Т              |          |  |  |                 |               | 一        | 788      |          |          | 76       |          |           | $\neg \vdash$ |         | $\neg$  | 1       |                 |          |       |          | 126      |                 | ヿ         | ヿ         | ヿ        | $\neg$    |          | $\neg$    | 寸        | $\neg$   |
|                 | 27         | П                 | 1              |          |  |  |                 |               | _        |          |          |          | 77       | $\neg$   | 十         | 1             | $\top$  | _       | +       | $\Box$          |          | iii t |          | 127      | 一               | $\dashv$  | 寸         | $\neg$   | $\dashv$  | $\neg$   | $\neg$    | 十        | $\dashv$ |
|                 | 28         | H                 | +              |          | <del>                                     </del> | <del>                                     </del> |                 | ┥             | $\dashv$ | - ::     | -        |          | 78       | _        | +         | _             | +       | +       | +       | $\vdash$        |          |       |          | 128      | $\neg$          | -         | 寸         | $\neg$   | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
|                 | 29         | H                 | ╁              | ╁╾       |  | -  | Н               | ⊢             | $\dashv$ |          | $\vdash$ |          | 79       | $\dashv$ | +         | -             | ╁       |         | +-      | $\vdash$        | :        | :::⊦  | -        | 129      | -               | $\dashv$  | ┪         | -        | $\dashv$  | $\dashv$ | -         | $\dashv$ | $\dashv$ |
| -               | 3          | H                 | ╁              | ╫        | _  | -  |                 | $\vdash$      | $\dashv$ |          | $\vdash$ |          |          | $\dashv$ | +         | +             | +       | -       | +       | ₩               |          | -     |          |          | -               | -         | -         | -        | -         |          | -         | -+       | $\dashv$ |
| $\vdash \vdash$ |            | H                 | ╀              | -        | _  |  | $\vdash$        | Ш             | -+       |          | _        |          | 80       | -        | _         | -             | +       | +       | -       | Н               | _        |       |          | 130      | _               | 4         | -         |          |           |          |           | 4        | _        |
|                 | 31         | 4                 | ــــ           | ┞        | <u> </u>   | $oxed{oxed}$                                     | Ш               | $\sqcup$      | _        | _ :::    | $\vdash$ |          | 81       | _        | $\perp$   | 4             | 1       | 4       |         | Ш               | $\perp$  | :::L  |          | 131      | $\perp$         | _         |           | _        | ᆚ         | _        | _         | $\dashv$ |          |
|                 | 32         | Ц                 | 1              | <u> </u> |  | _  |                 | Щ             | $\perp$  | _        | L        |          | 82       | $\perp$  | $\perp$   | $\perp$       |         | ᆚ       |         | ш               |          |       |          | 132      |                 | _         |           |          | $\sqcup$  |          |           | 丄        | _]       |
|                 | 33         | Ш                 | L              | 乚        |  |  | $\Box$          | Ш             |          | _        | L        |          | 83       |          | ·         |               |         |         |         | $\Box$          |          |       |          | 133      |                 | $\Box$    |           |          |           | [        |           | T        |          |
|                 | 34         | Ш                 | $\perp$        | $L^{-}$  |  |  |                 | LT            |          |          | L        |          | 84       | T        | $_{ m I}$ |               | $\int$  | $\int$  |         | ╚               |          | ωſ    |          | 134      |                 | T         | _T        |          | T         |          | T         | T        |          |
|                 | 35         | П                 |                |          |  |  | П               | П             | $\neg$   |          | Г        |          | 85       | T        | $\top$    | Т             | T       | T       |         |                 |          | ır    |          | 135      | $\neg$          | $\exists$ | $\neg$    | $\neg$   | $\neg$    | $\neg$   | $\neg$    | ヿ        | $\neg$   |
|                 | 36         | 1                 | T              | Ī        |  |  |                 | $\Box$        |          | 7        |          |          | 86       |          | 十         | $\top$        | ┰       | 1       | $\top$  | $\sqcap$        |          |       |          | 136      | 寸               | 寸         | 寸         | 7        | 寸         | $\neg$   | $\dashv$  | $\dashv$ | $\neg$   |
|                 | 37         | Ξ                 | 1              | Т        |  | П  | Н               | $\vdash$      | 一        | 7        |          |          | 87       | $\dashv$ | $\dashv$  | $\dashv$      | 十       | $\top$  | 1       | $\vdash$        | $\dashv$ | t     |          | 137      | 寸               | 1         | 7         | +        | 十         | _        | $\dashv$  | $\dashv$ | $\dashv$ |
|                 | 38         | ٠                 | +              | 1        |  | H  | H               | H             | +        | -1       | 1        |          | 88       | +        | -         | +             | +       | ╅       | +       | -               | $\dashv$ | ŀ     | -+       | 138      | $\dashv$        | -         | $\dashv$  | -+       | $\dashv$  | ⇥        | 十         | +        | $\dashv$ |
|                 | 39         | -                 | ╁╴             | -        | -  | Н  | $\vdash$        | $\vdash$      | $\dashv$ |          | -        |          | 89       | $\dashv$ | +         | +             | +       | +       | +       | $\vdash$        | $\dashv$ | H     |          | 139      | $\dashv$        | +         | -+        | $\dashv$ | -+        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
|                 | 40         | -                 | ╁              | $\vdash$ | $\vdash$   | Н  | $\vdash \vdash$ | $\vdash$      | $\dashv$ | -        |          |          | 90       | +        | +         | +             | +       | +       | +       | $\vdash$        | $\dashv$ | }     | -        | 140      | $\dashv$        | +         | -+        | -+       | $\dashv$  |          | $\dashv$  | $\dashv$ | $\dashv$ |
|                 |            | _                 | $\vdash$       |          |  | Н  | $\vdash \vdash$ | $\vdash$      | -        |          | -        |          |          | $\dashv$ | +         | +             | +       | +-      | +-      | ⊢┼              | -        | 1     |          |          | $\dashv$        | +         |           |          | 4         |          | -+        | -        |          |
|                 | 41         | _                 | -              |          | <u> </u>   |  | -               | $\vdash$      | -        |          | -        |          | 91       | -        |           | - -           | +       | +       | +-      | $\vdash \vdash$ | _ :      | -     |          | 141      | 4               | $\dashv$  | _         |          | 4         | _        | $\dashv$  | _        | _        |
|                 | 42         | _                 | 1_             | <b> </b> | <u> </u>   | Ш  | $\sqcup$        |               | _        | 4        | <u> </u> |          | 92       | _        | _         | _             | 4       | $\perp$ | 1       | $\sqcup$        | _[:      | L     |          | 142      | 4               | 4         | _         | _        |           |          | $\dashv$  | 4        | _        |
|                 | 43         |                   | $\perp$        | <u> </u> |  |  |                 |               | $\perp$  | _        | <u> </u> |          | 93       |          | $\perp$   | ᆚ             | ⊥       | ┸       | 1_      | $\sqcup$        | _        | :::L  |          | 143      |                 |           |           |          |           |          | $\perp$   | $\bot$   |          |
| I               | 44         |                   | $\perp$        | $\Box$   |  |  |                 |               |          | _        | L        |          | 94       |          | ╝         | $\perp$       | L       |         |         |                 | _]:      |       |          | 144      |                 |           |           | $\Box$   | $_{ m J}$ |          | $_{ m I}$ | $_{T}$   |          |
|                 | 45         |                   |                |          |  |  |                 | П             | T        | 7        | Г        | 1        | 95       | T        | Т         | Т             | Т       | Т       | П       |                 |          | ijΓ   |          | 145      | П               | T         | Т         | T        | 丁         | $\neg$   | $\top$    | $\top$   | $\neg$   |
|                 | 46         |                   | 1              | П        |  |  | $\Box$          |               | $\top$   | 7        |          |          | 96       | す        | 7         | T             | ┪       | T       | 1       |                 | _        | iii t |          | 146      | $\neg$          | $\neg$    | _         | $\dashv$ | $\dashv$  | $\dashv$ | _         | 十        | $\dashv$ |
|                 | 47         |                   | T              | П        | М  |  | H               | +             | -1-      | ١        |          | -17      | 97       | $\dashv$ | $\top$    | $\top$        | $\top$  | $\top$  | †       |                 | -        | ii t  |          | 147      | $\dashv$        | $\dashv$  | $\dashv$  | $\dashv$ | 7         | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
|                 | 48         | _                 | 1              | $\vdash$ | Н  | Н  |                 | -             | -+       | -        | -        |          | 98       | +        | +         | +             | +       | +       | +       |                 |          | ⊪     | $\dashv$ | 148      | $\dashv$        | +         | $\dashv$  | -+       | $\dashv$  | $\dashv$ | $\dashv$  | +        | 긕        |
|                 | 49         |                   | +              | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$        | -             | +        | $\dashv$ | $\vdash$ |          | 99       | +        | +         | +-            | ╁       | +       | +-      | ├─┼             |          | ŀ     |          | 149      | $\dashv$        | +         | $\dashv$  | -+       | $\dashv$  | +        | +         | $\dashv$ |          |
|                 | 50         | _                 | +              | $\vdash$ | Н  | $\vdash$   | -               | -             | +        | - :::    | -        | +3       | 00       | +        | +         | +             | +-      | +-      | +-      | ├               |          | -     |          | 149      | $\dashv$        | $\dashv$  | +         | -        | $\dashv$  | -        | +         | $\dashv$ | $\dashv$ |
|                 | อบ         |                   | 1_             | ட        | لـــــا  |  |                 |               |          | :::      | :        | 1        | UU       |          | L_        |               |         | Щ,      |         | ш               | ::       | :::L  |          | 150      |                 |           |           | $\perp$  |           |          |           | $\perp$  |          |